Eryhtropoietin production potentiator

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NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	DEC 21	IPC search and display fields enhanced in CA/CAplus with the IPC reform
NEWS 4	DEC 23	New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/ USPAT2
NEWS 5	JAN 13	IPC 8 searching in IFIPAT, IFIUDB, and IFICDB
NEWS 6	JAN 13	New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to INPADOC
NEWS 7	JAN 17	Pre-1988 INPI data added to MARPAT
NEWS 8	JAN 17	IPC 8 in the WPI family of databases including WPIFV
NEWS 9	JAN 30	Saved answer limit increased
NEWS 10	JAN 31	Monthly current-awareness alert (SDI) frequency added to TULSA
NEWS 11	FEB 21	STN AnaVist, Version 1.1, lets you share your STN AnaVist visualization results
NEWS 12	FEB 22	Status of current WO (PCT) information on STN
NEWS 13	FEB 22	The IPC thesaurus added to additional patent databases on STN
NEWS 14	FEB 22	Updates in EPFULL; IPC 8 enhancements added
NEWS 15	FEB 27	New STN AnaVist pricing effective March 1, 2006
NEWS 16	FEB 28	MEDLINE/LMEDLINE reload improves functionality
NEWS 17	FEB 28	TOXCENTER reloaded with enhancements
NEWS 18	FEB 28	REGISTRY/ZREGISTRY enhanced with more experimental spectral property data
NEWS 19	MAR 01	INSPEC reloaded and enhanced
NEWS 20	MAR 03	Updates in PATDPA; addition of IPC 8 data without attributes
NEWS 21	MAR 08	X.25 communication option no longer available after June 2006
NEWS 22	MAR 22	EMBASE is now updated on a daily basis

NEWS EXPRESS FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.
V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT
http://download.cas.org/express/v8.0-Discover/

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Eryhtropoietin production potentiator

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  * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 09:12:57 ON 23 MAR 2006

=> file registry
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.21       0.21

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STRUCTURE FILE UPDATES:   21 MAR 2006  HIGHEST RN 877591-95-2
DICTIONARY FILE UPDATES:  21 MAR 2006  HIGHEST RN 877591-95-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

*********************************************************************
*                                                                   *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,   *
* effective March 20, 2005.  A new display format, IDERL, is now    *
* available and contains the CA role and document type information. *
*                                                                   *
*********************************************************************

Structure search iteration limits have been increased.  See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=>
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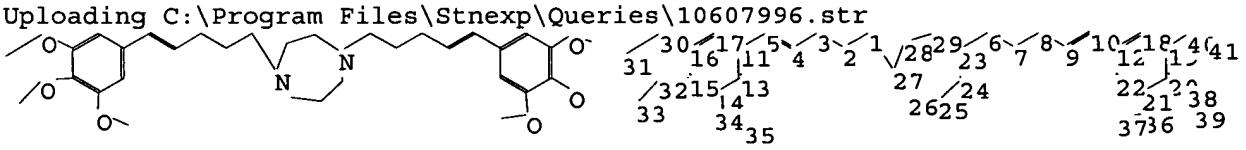

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30  31  32  33  34  35  36  37  38  39  40  41
ring nodes :
11  12  13  14  15  16  17  18  19  20  21  22  23  24  25  26  27  28  29
ring/chain nodes :
1  2  3  4  5  6  7  8  9  10
chain bonds :
```

Eryhtropoietin production potentiator

1-27 6-23 14-34 15-32 16-30 19-40 20-38 21-36 30-31 32-33 34-35 36-37
38-39 40-41
ring/chain bonds :
1-2 2-3 3-4 4-5 5-11 6-7 7-8 8-9 9-10 10-12
ring bonds :
11-13 11-17 12-18 12-22 13-14 14-15 15-16 16-17 18-19 19-20 20-21 21-22
23-24 23-29 24-25 25-26 26-27 27-28 28-29
exact/norm bonds :
1-2 1-27 2-3 3-4 4-5 5-11 6-7 6-23 7-8 8-9 9-10 10-12 14-34 15-32
16-30 19-40 20-38 21-36 23-24 23-29 24-25 25-26 26-27 27-28 28-29 30-31
32-33 34-35 36-37 38-39 40-41
normalized bonds :
11-13 11-17 12-18 12-22 13-14 14-15 15-16 16-17 18-19 19-20 20-21 21-22

Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom
19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom
28:Atom 29:Atom 30:CLASS 31:CLASS 32:CLASS 33:CLASS 34:CLASS 35:CLASS
36:CLASS 37:CLASS 38:CLASS 39:CLASS 40:CLASS 41:CLASS

L1 STRUCTURE UPLOADED

=> d L1
L1 HAS NO ANSWERS
L1 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l1
SAMPLE SEARCH INITIATED 09:13:48 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 74 TO ITERATE

100.0% PROCESSED 74 ITERATIONS 2 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 964 TO 1996
PROJECTED ANSWERS: 2 TO 124

L2 2 SEA SSS SAM L1

=> D l2 1-2 full
'FULL' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual
fields or predefined formats. The predefined substance formats
are: (RN = CAS Registry Number)

REG - RN
SAM - Index Name, MF, and structure - no RN
FIDE - All substance data, except sequence data
IDE - FIDE, but only 50 names

Eryhtropoietin production potentiator

SQIDE - IDE, plus sequence data
SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used
SQD - Protein sequence data, includes RN
SQD3 - Same as SQD, but 3-letter amino acid codes are used
SQN - Protein sequence name information, includes RN

CALC - Table of calculated properties
EPROP - Table of experimental properties
PROP - EPROP and CALC

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract
APPS -- Application and Priority Information
BIB -- CA Accession Number, plus Bibliographic Data
CAN -- CA Accession Number
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
IND -- Index Data
IPC -- International Patent Classification
PATS -- PI, SO
STD -- BIB, IPC, and NCL

IABS -- ABS, indented, with text labels
IBIB -- BIB, indented, with text labels
ISTD -- STD format, indented

OBIB -------- AN, plus Bibliographic Data (original)
OIBIB ------- OBIB, indented with text labels

SBIB -------- BIB, no citations
SIBIB ------- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.
The MAX format is the same as ALL.
The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.
HELP FORMATS -- To see detailed descriptions of the predefined formats.
ENTER DISPLAY FORMAT (IDE):fide

L2 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2006 ACS on STN
RN 203721-89-5 REGISTRY
ED Entered STN: 07 Apr 1998
CN 1H-1,4-Diazepine, hexahydro-1,4-bis[(3',4',5'-trimethoxy[1,1'-biphenyl]-4-yl)carbonyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C37 H40 N2 O8
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

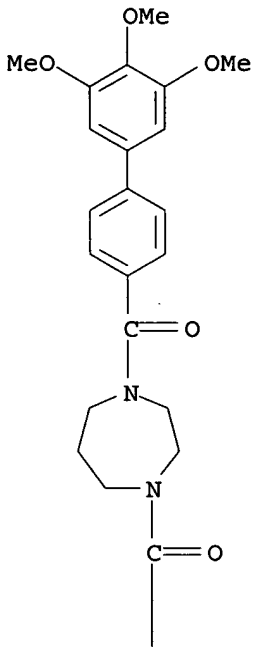
Ring System Data

Elemental|Elemental| Size of |Ring System| Ring | RID

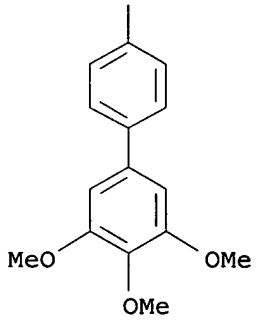
Eryhtropoietin production potentiator

Analysis EA	Sequence ES	the Rings SZ	Formula RF	Identifier RID	Occurrence Count
C6	C6	6	C6	46.150.18	4
C5N2	NC2NC3	7	C5N2	110.130.1	1

PAGE 1-A



PAGE 2-A



Predicted Properties (PPROP)

PROPERTY (CODE)	VALUE	CONDITION	NOTE

Eryhtropoietin production potentiator

Bioconc. Factor (BCF)	27.47	pH 1 25 deg C	(1)
Bioconc. Factor (BCF)	27.67	pH 2 25 deg C	(1)
Bioconc. Factor (BCF)	27.69	pH 3 25 deg C	(1)
Bioconc. Factor (BCF)	27.69	pH 4 25 deg C	(1)
Bioconc. Factor (BCF)	27.69	pH 5 25 deg C	(1)
Bioconc. Factor (BCF)	27.69	pH 6 25 deg C	(1)
Bioconc. Factor (BCF)	27.69	pH 7 25 deg C	(1)
Bioconc. Factor (BCF)	27.69	pH 8 25 deg C	(1)
Bioconc. Factor (BCF)	27.69	pH 9 25 deg C	(1)
Bioconc. Factor (BCF)	27.69	pH 10 25 deg C	(1)
Boiling Point (BP)	772.5+/-60.0 deg C	760 Torr	(1)
Density (DEN)	1.197+/-0.06 g/cm**3	760 Torr	(1)
Enthalpy of Vap. (HVAP)	112.44+/-3.0 kJ/mol	760 Torr	(1)
Flash Point (FP)	421.0+/-32.9 deg C		(1)
Freely Rotatable Bonds (FRB)	10		(1)
H acceptors (HAC)	10		(1)
H donors (HD)	0		(1)
Hydrogen Donors/Acceptors Sum (HDAS)	10		(1)
Koc (KOC)	371.79	pH 1 25 deg C	(1)
Koc (KOC)	374.47	pH 2 25 deg C	(1)
Koc (KOC)	374.74	pH 3 25 deg C	(1)
Koc (KOC)	374.77	pH 4 25 deg C	(1)
Koc (KOC)	374.77	pH 5 25 deg C	(1)
Koc (KOC)	374.77	pH 6 25 deg C	(1)
Koc (KOC)	374.77	pH 7 25 deg C	(1)
Koc (KOC)	374.77	pH 8 25 deg C	(1)
Koc (KOC)	374.77	pH 9 25 deg C	(1)
Koc (KOC)	374.77	pH 10 25 deg C	(1)
logD (LOGD)	2.20	pH 1 25 deg C	(1)
logD (LOGD)	2.20	pH 2 25 deg C	(1)
logD (LOGD)	2.20	pH 3 25 deg C	(1)
logD (LOGD)	2.20	pH 4 25 deg C	(1)
logD (LOGD)	2.20	pH 5 25 deg C	(1)
logD (LOGD)	2.20	pH 6 25 deg C	(1)
logD (LOGD)	2.20	pH 7 25 deg C	(1)
logD (LOGD)	2.20	pH 8 25 deg C	(1)
logD (LOGD)	2.20	pH 9 25 deg C	(1)
logD (LOGD)	2.20	pH 10 25 deg C	(1)
logP (LOGP)	2.201+/-0.582	25 deg C	(1)
Mass Intrinsic Solubility (ISLB.MASS)	0.021 g/L	25 deg C	(1)
Mass Solubility (SLB.MASS)	0.022 g/L	pH 1 25 deg C	(1)
Mass Solubility (SLB.MASS)	0.021 g/L	pH 2 25 deg C	(1)
Mass Solubility (SLB.MASS)	0.021 g/L	pH 3 25 deg C	(1)
Mass Solubility (SLB.MASS)	0.021 g/L	pH 4 25 deg C	(1)
Mass Solubility (SLB.MASS)	0.021 g/L	pH 5 25 deg C	(1)
Mass Solubility (SLB.MASS)	0.021 g/L	pH 6 25 deg C	(1)
Mass Solubility (SLB.MASS)	0.021 g/L	pH 7 25 deg C	(1)
Mass Solubility (SLB.MASS)	0.021 g/L	pH 8 25 deg C	(1)
Mass Solubility (SLB.MASS)	0.021 g/L	pH 9 25 deg C	(1)
Mass Solubility (SLB.MASS)	0.021 g/L	pH 10 25 deg C	(1)
Mass Solubility (SLB.MASS)	0.021 g/L	Unbuffered Water pH 7.00 25 deg C	(1)
Molar Intrinsic Solubility (ISLB.MOL)	0.000033 mol/L	25 deg C	(1)
Molar Solubility (SLB.MOL)	0.000034 mol/L	pH 1 25 deg C	(1)
Molar Solubility (SLB.MOL)	0.000033 mol/L	pH 2 25 deg C	(1)
Molar Solubility (SLB.MOL)	0.000033 mol/L	pH 3 25 deg C	(1)
Molar Solubility (SLB.MOL)	0.000033 mol/L	pH 4 25 deg C	(1)
Molar Solubility (SLB.MOL)	0.000033 mol/L	pH 5 25 deg C	(1)
Molar Solubility (SLB.MOL)	0.000033 mol/L	pH 6 25 deg C	(1)

Eryhtropoietin production potentiator

Molar Solubility (SLB.MOL)	0.000033 mol/L	pH 7 25 deg C	(1)
Molar Solubility (SLB.MOL)	0.000033 mol/L	pH 8 25 deg C	(1)
Molar Solubility (SLB.MOL)	0.000033 mol/L	pH 9 25 deg C	(1)
Molar Solubility (SLB.MOL)	0.000033 mol/L	pH 10 25 deg C	(1)
Molar Solubility (SLB.MOL)	0.000033 mol/L	Unbuffered Water pH 7.00 25 deg C	(1)
Molar Volume (MVOL)	534.9+/-3.0 cm**3/mol	20 deg C 760 Torr	(1)
Molecular Weight (MW)	640.72		(1)
pKa (PKA)	-1.09+/-0.20	Most Basic 25 deg C	(1)
Polar Surface Area (PSA)	96.00 A**2		(1)
Vapor Pressure (VP)	8.69E-24 Torr	25 deg C	(1)

(1) Calculated using Advanced Chemistry Development (ACD/Labs) Software V8.14 ((C) 1994-2006 ACD/Labs)

See HELP PROPERTIES for information about property data sources in REGISTRY.

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

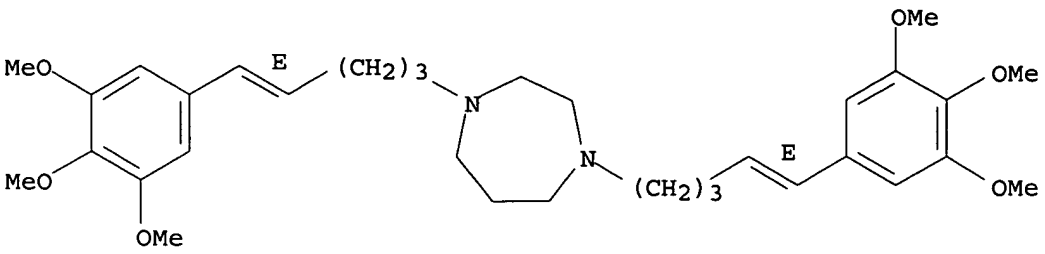
L2 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2006 ACS on STN
RN 191089-59-5 REGISTRY
ED Entered STN: 11 Jul 1997
CN 1H-1,4-Diazepine, hexahydro-1,4-bis[(4E)-5-(3,4,5-trimethoxyphenyl)-4-pentenyl]- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1H-1,4-Diazepine, hexahydro-1,4-bis[5-(3,4,5-trimethoxyphenyl)-4-pentenyl]-, (E,E)-
OTHER NAMES:
CN K 7174
FS STEREOSEARCH
DR 286441-08-5
MF C33 H48 N2 O6
CI COM
SR CA
LC STN Files: BIOSIS, CA, CAPLUS, PROUSDDR, SYNTHLINE, TOXCENTER, USPATFULL
DT.CA CAplus document type: Journal; Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)
RL.NP Roles from non-patents: BIOL (Biological study); USES (Uses)

Ring System Data

Elemental Analysis EA	Elemental Sequence ES	Size of the Rings SZ	Ring System Formula RF	Ring Identifier RID	RID Occurrence Count
C6	C6	6	C6	46.150.18	2
C5N2	NC2NC3	7	C5N2	110.130.1	1

Double bond geometry as shown.

Eryhtropoietin production potentiator



the instant compound

Predicted Properties (PPROP)

PROPERTY (CODE)	VALUE	CONDITION	NOTE
Bioconc. Factor (BCF)	1.0	pH 1 25 deg C	(1)
Bioconc. Factor (BCF)	1.0	pH 2 25 deg C	(1)
Bioconc. Factor (BCF)	1.0	pH 3 25 deg C	(1)
Bioconc. Factor (BCF)	1.11	pH 4 25 deg C	(1)
Bioconc. Factor (BCF)	3.30	pH 5 25 deg C	(1)
Bioconc. Factor (BCF)	21.66	pH 6 25 deg C	(1)
Bioconc. Factor (BCF)	192.11	pH 7 25 deg C	(1)
Bioconc. Factor (BCF)	1635.87	pH 8 25 deg C	(1)
Bioconc. Factor (BCF)	6892.98	pH 9 25 deg C	(1)
Bioconc. Factor (BCF)	10165.16	pH 10 25 deg C	(1)
Boiling Point (BP)	689.9+/-55.0 deg C	760 Torr	(1)
Density (DEN)	1.074+/-0.06 g/cm**3	760 Torr	(1)
Enthalpy of Vap. (HVAP)	101.11+/-3.0 kJ/mol	760 Torr	(1)
Flash Point (FP)	171.2+/-28.7 deg C		(1)
Freely Rotatable Bonds (FRB)	16		(1)
H acceptors (HAC)	8		(1)
H donors (HD)	0		(1)
Hydrogen Donors/Acceptors Sum (HDAS)	8		(1)
Koc (KOC)	2.12	pH 1 25 deg C	(1)
Koc (KOC)	2.13	pH 2 25 deg C	(1)
Koc (KOC)	2.19	pH 3 25 deg C	(1)
Koc (KOC)	2.77	pH 4 25 deg C	(1)
Koc (KOC)	8.20	pH 5 25 deg C	(1)
Koc (KOC)	53.89	pH 6 25 deg C	(1)
Koc (KOC)	477.91	pH 7 25 deg C	(1)
Koc (KOC)	4069.57	pH 8 25 deg C	(1)
Koc (KOC)	17147.75	pH 9 25 deg C	(1)
Koc (KOC)	25287.97	pH 10 25 deg C	(1)
logD (LOGD)	1.51	pH 1 25 deg C	(1)
logD (LOGD)	1.51	pH 2 25 deg C	(1)
logD (LOGD)	1.52	pH 3 25 deg C	(1)
logD (LOGD)	1.62	pH 4 25 deg C	(1)
logD (LOGD)	2.09	pH 5 25 deg C	(1)
logD (LOGD)	2.91	pH 6 25 deg C	(1)
logD (LOGD)	3.86	pH 7 25 deg C	(1)
logD (LOGD)	4.79	pH 8 25 deg C	(1)
logD (LOGD)	5.41	pH 9 25 deg C	(1)
logD (LOGD)	5.58	pH 10 25 deg C	(1)
logP (LOGP)	5.607+/-0.446	25 deg C	(1)

Eryhtropoietin production potentiator

Mass Intrinsic Solubility (ISLB.MASS)	0.00080 g/L	25 deg C	(1)
Mass Solubility (SLB.MASS)	10 g/L	pH 1 25 deg C	(1)
Mass Solubility (SLB.MASS)	10 g/L	pH 2 25 deg C	(1)
Mass Solubility (SLB.MASS)	10 g/L	pH 3 25 deg C	(1)
Mass Solubility (SLB.MASS)	8.0 g/L	pH 4 25 deg C	(1)
Mass Solubility (SLB.MASS)	2.7 g/L	pH 5 25 deg C	(1)
Mass Solubility (SLB.MASS)	0.40 g/L	pH 6 25 deg C	(1)
Mass Solubility (SLB.MASS)	0.046 g/L	pH 7 25 deg C	(1)
Mass Solubility (SLB.MASS)	0.0054 g/L	pH 8 25 deg C	(1)
Mass Solubility (SLB.MASS)	0.0013 g/L	pH 9 25 deg C	(1)
Mass Solubility (SLB.MASS)	0.00085 g/L	pH 10 25 deg C	(1)
Mass Solubility (SLB.MASS)	0.0025 g/L	Unbuffered Water pH 8.43 25 deg C	(1)
Molar Intrinsic Solubility (ISLB.MOL)	0.0000014 mol/L	25 deg C	(1)
Molar Solubility (SLB.MOL)	0.018 mol/L	pH 1 25 deg C	(1)
Molar Solubility (SLB.MOL)	0.018 mol/L	pH 2 25 deg C	(1)
Molar Solubility (SLB.MOL)	0.018 mol/L	pH 3 25 deg C	(1)
Molar Solubility (SLB.MOL)	0.014 mol/L	pH 4 25 deg C	(1)
Molar Solubility (SLB.MOL)	0.0047 mol/L	pH 5 25 deg C	(1)
Molar Solubility (SLB.MOL)	0.00071 mol/L	pH 6 25 deg C	(1)
Molar Solubility (SLB.MOL)	0.000081 mol/L	pH 7 25 deg C	(1)
Molar Solubility (SLB.MOL)	0.0000095 mol/L	pH 8 25 deg C	(1)
Molar Solubility (SLB.MOL)	0.0000022 mol/L	pH 9 25 deg C	(1)
Molar Solubility (SLB.MOL)	0.0000015 mol/L	pH 10 25 deg C	(1)
Molar Solubility (SLB.MOL)	0.0000044 mol/L	Unbuffered Water pH 8.43 25 deg C	(1)
Molar Volume (MVOL)	529.2+/-3.0 cm**3/mol	20 deg C 760 Torr	(1)
Molecular Weight (MW)	568.74		(1)
pKa (PKA)	8.74+/-0.20	Most Basic 25 deg C	(1)
Polar Surface Area (PSA)	61.86 A**2		(1)
Vapor Pressure (VP)	6.95E-19 Torr	25 deg C	(1)

(1) Calculated using Advanced Chemistry Development (ACD/Labs) Software V8.14 ((C) 1994-2006 ACD/Labs)

See HELP PROPERTIES for information about property data sources in REGISTRY.

6 REFERENCES IN FILE CA (1907 TO DATE)
6 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> FIL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	8.74	8.95

FILE 'REGISTRY' ENTERED AT 09:15:46 ON 23 MAR 2006

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 21 MAR 2006 HIGHEST RN 877591-95-2
DICTIONARY FILE UPDATES: 21 MAR 2006 HIGHEST RN 877591-95-2

Eryhtropoietin production potentiator

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

```
**********************************************************************
*                                                                    *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,   *
* effective March 20, 2005.  A new display format, IDERL, is now    *
* available and contains the CA role and document type information. *
*                                                                    *
**********************************************************************
```

Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=> SET TERMSET E#

SET COMMAND COMPLETED

=> DEL SEL Y

=> SEL L2 2 RN

E1 THROUGH E1 ASSIGNED

=> S E1/RN

L3 1 191089-59-5/RN

=> SET TERMSET LOGIN

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=> FIL BIOSIS

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.52	9.47

FILE 'BIOSIS' ENTERED AT 09:15:50 ON 23 MAR 2006

FILE COVERS 1969 TO DATE.
CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT
FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 22 March 2006 (20060322/ED)

=> S L3

Eryhtropoietin production potentiator

L4 6 L3

=> d L4 1-6 ti

L4 ANSWER 1 OF 6 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
TI Oral administration of K-11706 inhibits GATA binding activity, enhances hypoxia-inducible factor 1 binding activity, and restores indicators in an in vivo mouse model of anemia of chronic disease.

L4 ANSWER 2 OF 6 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
TI A novel GATA-specific inhibitor (GSI) rescues anemia of chronic disease by oral administration.

L4 ANSWER 3 OF 6 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
TI A NOVEL CELL ADHESION INHIBITOR, K - 7174, REDUCES LYMPHOCYTE INFILTRATION AND INCREASES TEAR PRODUCTION IN SJoGREN'S SYNDROME MODEL MOUSE.

L4 ANSWER 4 OF 6 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
TI A GATA-specific inhibitor (K-7174) rescues anemia induced by IL-1beta, TNF-alpha, or L-NMMA.

L4 ANSWER 5 OF 6 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
TI GATA-Specific Inhibitor (K-7174) Rescues Anemia Induced by IL-1beta, TNF-alpha or L-NMMA.

L4 ANSWER 6 OF 6 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
TI A novel cell adhesion inhibitor, K-7174, reduces the endothelial VCAM-1 induction by inflammatory cytokines, acting through the regulation of GATA.

=> file BIOSIS, CA, CAPLUS, PROUSDDR, SYNTHLINE, TOXCENTER, USPATFULL
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 1.76 11.23

FILE 'BIOSIS' ENTERED AT 09:16:53 ON 23 MAR 2006
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FILE 'PROUSDDR' ENTERED AT 09:16:53 ON 23 MAR 2006
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FILE 'SYNTHLINE' ENTERED AT 09:16:53 ON 23 MAR 2006
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FILE 'TOXCENTER' ENTERED AT 09:16:53 ON 23 MAR 2006
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FILE 'USPATFULL' ENTERED AT 09:16:53 ON 23 MAR 2006
CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

=> s 191089-59-5/RN

Eryhtropoietin production potentiator

'RN' IS NOT A VALID FIELD CODE
NUMERIC VALUE NOT VALID '191089-59-5'
NUMERIC VALUE NOT VALID '191089-59-5'
'RN' IS NOT A VALID FIELD CODE
L5 13 191089-59-5/RN

=> s L5 and py<2003
'2003' NOT A VALID FIELD CODE
L6 7 L5 AND PY<2003

=> d L6 1-7 ti

L6 ANSWER 1 OF 7 CA COPYRIGHT 2006 ACS on STN
TI A Novel Cell Adhesion Inhibitor, K-7174, Reduces the Endothelial VCAM-1 Induction by Inflammatory Cytokines, Acting through the Regulation of GATA

L6 ANSWER 2 OF 7 CA COPYRIGHT 2006 ACS on STN
TI An inhibitor of VCAM-1 expression and its implication as a novel treatment of inflammatory diseases

L6 ANSWER 3 OF 7 CA COPYRIGHT 2006 ACS on STN
TI Preparation of N,N'-bis(aralkenyl)piperazine and -homopiperazines as inhibitors of cellular adhesion and infiltration.

L6 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
TI A Novel Cell Adhesion Inhibitor, K-7174, Reduces the Endothelial VCAM-1 Induction by Inflammatory Cytokines, Acting through the Regulation of GATA

L6 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
TI An inhibitor of VCAM-1 expression and its implication as a novel treatment of inflammatory diseases

L6 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
TI Preparation of N,N'-bis(aralkenyl)piperazine and -homopiperazines as inhibitors of cellular adhesion and infiltration.

L6 ANSWER 7 OF 7 USPATFULL on STN
TI Inhibitors for cell adhesion and cellular infiltration

=> d L6 1-7 ti abs bib

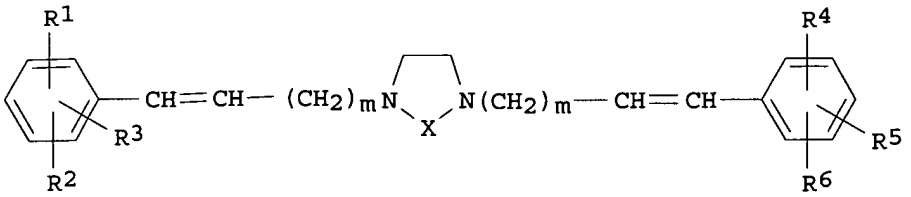
L6 ANSWER 1 OF 7 CA COPYRIGHT 2006 ACS on STN
TI A Novel Cell Adhesion Inhibitor, K-7174, Reduces the Endothelial VCAM-1 Induction by Inflammatory Cytokines, Acting through the Regulation of GATA
AB A novel inhibitor for the adhesion of monocytes to cytokine-stimulated endothelial cells, K-7174, was selected by an assay system using the cultured human monocytic cells and human endothelial cells. K-7174 inhibited the expression of vascular cell adhesion mol.-1 (VCAM-1) induced by either tumor necrosis factor α or interleukin-1β, without affecting the induction of intercellular adhesion mol.-1 or E-selectin. K-7174 had no effect on the stability of VCAM-1 mRNA. Electrophoretic mobility shift assay revealed that its inhibitory effect on VCAM-1 induction was mediated by an effect on the binding to the GATA motifs in the VCAM-1 gene promoter region. K-7174 did not influence the binding to any of the following binding motifs: octamer binding protein, AP-1, SP-1, ets, NFκB, or interferon regulatory factor. These results suggest that the regulation of GATA binding may become a new target for anti-inflammatory drug development, acting through a mechanism independent from NFκB activity. (c) 2000 Academic Press.
AN 133:171963 CA
TI A Novel Cell Adhesion Inhibitor, K-7174, Reduces the Endothelial VCAM-1 Induction by Inflammatory Cytokines, Acting through the Regulation of GATA

Eryhtropoietin production potentiator

AU Umetani, Michihisa; Nakao, Hiroshi; Doi, Takeshi; Iwasaki, Akio; Ohtaka, Manami; Nagoya, Takao; Mataki, Chikage; Hamakubo, Takao; Kodama, Tatsuhiko
CS Department of Molecular Biology and Medicine, Research Center for Advanced Science and Technology, University of Tokyo, Tokyo, Japan
SO Biochemical and Biophysical Research Communications (**2000**), 272(2), 370-374
CODEN: BBRCA9; ISSN: 0006-291X
PB Academic Press
DT Journal
LA English
RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 7 CA COPYRIGHT 2006 ACS on STN
TI An inhibitor of VCAM-1 expression and its implication as a novel treatment of inflammatory diseases
AB To evaluate endothelial-leukocyte adhesion, we developed an adhesion technique using human umbilical vein endothelial cells (HUVECs) and U-937 cells. This technique clarified that ICAM-1 and VCAM-1 were primarily responsible for this adhesion. Using this technique, we found a low mol. weight compound that potently inhibits the adhesion through specifically suppressing the expression of VCAM-1 of HUVECs. When orally administered to mice, this compound also diminished the increase in paw thickness and in anti-bovine type II collagen (anti-BII) antibodies in mouse collagen-induced arthritis.
AN 133:129534 CA
TI An inhibitor of VCAM-1 expression and its implication as a novel treatment of inflammatory diseases
AU Nakao, Hiroshi; Doi, Takeshi; Suda, Makoto; Umetani, Michihisa; Ohtaka, Manami; Shiratsuchi, Masami; Kodama, Tatsuhiko
CS Department of Cell Biology, Kowa Research Institute, Ibaraki, 305-0856, Japan
SO Journal of Atherosclerosis and Thrombosis (**1998**), 4(4), 149-155
CODEN: JATHEH; ISSN: 1340-3478
PB Japan Atherosclerosis Society
DT Journal
LA English
RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 3 OF 7 CA COPYRIGHT 2006 ACS on STN
TI Preparation of N,N'-bis(aralkenyl)piperazine and -homopiperazines as inhibitors of cellular adhesion and infiltration.
GI



I

AB Title compds. (I; X = (CH2)n; R1-R6 = H, halo, OH, alkyl, alkoxy; m = 1-3; n = 2, 3), were prepared Thus, (E)-5-(3,4,5-trimethoxyphenyl)-4-pentenyl bromide, homopiperazine, K2CO3, KI, and DMF were heated at 100° to give N,N'-bis[(E)-(3,4,5-trimethoxyphenyl)-4-pentenyl]homopiperazine (II). II at 30 mg/kg i.p. in guinea pigs reduced infiltration of trachea by eosinocytes from 204.5 cells/mm to 122.2 cells/mm. II tablet and capsule formulations are given.

Eryhtropoietin production potentiator

AN 127:50669 CA
TI Preparation of N,N'-bis(aralkenyl)piperazine and -homopiperazines as inhibitors of cellular adhesion and infiltration.
IN Nakao, Hiroshi; Umetani, Michihisa; Suda, Makoto; Nagoya, Takao
PA Kowa Co., Ltd., Japan
SO Eur. Pat. Appl., 12 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 774257	A2	19970521	EP 1996-118463	19961118 <--
	EP 774257	A3	19970827		
	R: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
	JP 09143075	A2	19970603	JP 1995-301526	19951120 <--
	US 5723465	A	19980303	US 1996-746811	19961118 <--
PRAI	JP 1995-301526	A	19951120		

OS MARPAT 127:50669

L6 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
TI A Novel Cell Adhesion Inhibitor, K-7174, Reduces the Endothelial VCAM-1 Induction by Inflammatory Cytokines, Acting through the Regulation of GATA
AB A novel inhibitor for the adhesion of monocytes to cytokine-stimulated endothelial cells, K-7174, was selected by an assay system using the cultured human monocytic cells and human endothelial cells. K-7174 inhibited the expression of vascular cell adhesion mol.-1 (VCAM-1) induced by either tumor necrosis factor α or interleukin-1β, without affecting the induction of intercellular adhesion mol.-1 or E-selectin. K-7174 had no effect on the stability of VCAM-1 mRNA. Electrophoretic mobility shift assay revealed that its inhibitory effect on VCAM-1 induction was mediated by an effect on the binding to the GATA motifs in the VCAM-1 gene promoter region. K-7174 did not influence the binding to any of the following binding motifs: octamer binding protein, AP-1, SP-1, ets, NFκB, or interferon regulatory factor. These results suggest that the regulation of GATA binding may become a new target for anti-inflammatory drug development, acting through a mechanism independent from NFκB activity. (c) 2000 Academic Press.
AN 2000:369384 CAPLUS
DN 133:171963
TI A Novel Cell Adhesion Inhibitor, K-7174, Reduces the Endothelial VCAM-1 Induction by Inflammatory Cytokines, Acting through the Regulation of GATA
AU Umetani, Michihisa; Nakao, Hiroshi; Doi, Takeshi; Iwasaki, Akio; Ohtaka, Manami; Nagoya, Takao; Mataki, Chikage; Hamakubo, Takao; Kodama, Tatsuhiko
CS Department of Molecular Biology and Medicine, Research Center for Advanced Science and Technology, University of Tokyo, Tokyo, Japan
SO Biochemical and Biophysical Research Communications (**2000**), 272(2), 370-374
CODEN: BBRCA9; ISSN: 0006-291X
PB Academic Press
DT Journal
LA English
RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

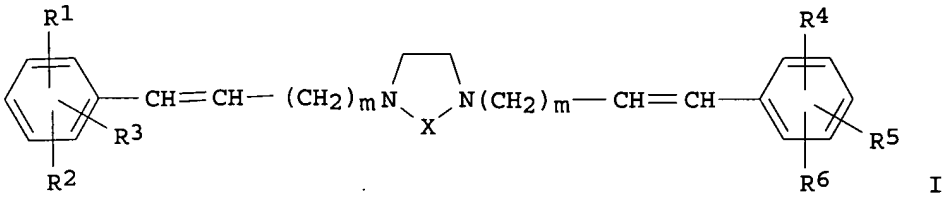
L6 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
TI An inhibitor of VCAM-1 expression and its implication as a novel treatment of inflammatory diseases
AB To evaluate endothelial-leukocyte adhesion, we developed an adhesion technique using human umbilical vein endothelial cells (HUVECs) and U-937 cells. This technique clarified that ICAM-1 and VCAM-1 were primarily responsible for this adhesion. Using this technique, we found a low mol.

Eryhtropoietin production potentiator

weight compound that potently inhibits the adhesion through specifically suppressing the expression of VCAM-1 of HUVECs. When orally administered to mice, this compound also diminished the increase in paw thickness and in anti-bovine type II collagen (anti-BII) antibodies in mouse collagen-induced arthritis.

AN 2000:228798 CAPLUS
DN 133:129534
TI An inhibitor of VCAM-1 expression and its implication as a novel treatment of inflammatory diseases
AU Nakao, Hiroshi; Doi, Takeshi; Suda, Makoto; Umetani, Michihisa; Ohtaka, Manami; Shiratsuchi, Masami; Kodama, Tatsuhiko
CS Department of Cell Biology, Kowa Research Institute, Ibaraki, 305-0856, Japan
SO Journal of Atherosclerosis and Thrombosis (**1998**), 4(4), 149-155
CODEN: JATHEH; ISSN: 1340-3478
PB Japan Atherosclerosis Society
DT Journal
LA English
RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
TI Preparation of N,N'-bis(aralkenyl)piperazine and -homopiperazines as inhibitors of cellular adhesion and infiltration.
GI



I

AB Title compds. (I; X = (CH2)n; R1-R6 = H, halo, OH, alkyl, alkoxy; m = 1-3; n = 2, 3), were prepared Thus, (E)-5-(3,4,5-trimethoxyphenyl)-4-pentenyl bromide, homopiperazine, K2CO3, KI, and DMF were heated at 100° to give N,N'-bis[(E)-(3,4,5-trimethoxyphenyl)-4-pentenyl]homopiperazine (II). II at 30 mg/kg i.p. in guinea pigs reduced infiltration of trachea by eosinocytes from 204.5 cells/mm to 122.2 cells/mm. II tablet and capsule formulations are given.

AN 1997:435944 CAPLUS
DN 127:50669
TI Preparation of N,N'-bis(aralkenyl)piperazine and -homopiperazines as inhibitors of cellular adhesion and infiltration.
IN Nakao, Hiroshi; Umetani, Michihisa; Suda, Makoto; Nagoya, Takao
PA Kowa Co., Ltd., Japan
SO Eur. Pat. Appl., 12 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 774257	A2	19970521	EP 1996-118463	19961118 <--
EP 774257	A3	19970827		
R: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
JP 09143075	A2	19970603	JP 1995-301526	19951120 <--
US 5723465	A	19980303	US 1996-746811	19961118 <--

Eryhtropoietin production potentiator

PRAI JP 1995-301526 A 19951120
OS MARPAT 127:50669

L6 ANSWER 7 OF 7 USPATFULL on STN
TI Inhibitors for cell adhesion and cellular infiltration
AB The present invention is directed to a cell adhesion inhibitory agent, cellular infiltration inhibitory agent, antiallergic agent, antiasthmatic agent, and antiphlogistic, which contains a compound of the following formula (1): ##STR1## wherein each of R.sup.1 through R.sup.6 represents H, a halogen atom, a hydroxyl group, a lower alkyl group, or a lower alkoxy group, m represents a number of 1 from 3 inclusive, and n represents 2 or 3.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 1998:22225 USPATFULL
TI Inhibitors for cell adhesion and cellular infiltration
IN Nakao, Hiroshi, Tsuchiura, Japan
Umetani, Michihisa, Tokyo, Japan
Suda, Makoto, Tsukuba, Japan
Nagoya, Takao, Tsuchiura, Japan
PA Kowa Co., Ltd., Nagoya, Japan (non-U.S. corporation)
PI US 5723465 19980303 <--
AI ~~US 1996-746811~~ 19961118 (8)
PRAI JP 1995-301526 19951120
DT Utility
FS Granted
EXNAM Primary Examiner: Henley, III, Raymond
LREP Oblon, Spivak, McClelland, Maier & Neustadt, P.C.
CLMN Number of Claims: 2
ECL Exemplary Claim: 2
DRWN No Drawings
LN.CNT 488
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d l5 ti

L5 ANSWER 1 OF 13 CA COPYRIGHT 2006 ACS on STN
TI Trial of novel drug for secondary anemia from chronic disease

=> d l5 1-13 ti

L5 ANSWER 1 OF 13 CA COPYRIGHT 2006 ACS on STN
TI Trial of novel drug for secondary anemia from chronic disease

L5 ANSWER 2 OF 13 CA COPYRIGHT 2006 ACS on STN
TI Novel erythropoietin-stimulating drug (K-7174): Trial for renal anemia

L5 ANSWER 3 OF 13 CA COPYRIGHT 2006 ACS on STN
TI A GATA-specific inhibitor (K-7174) rescues anemia induced by IL-1β, TNF-α, or L-NMMA

L5 ANSWER 4 OF 13 CA COPYRIGHT 2006 ACS on STN
TI A Novel Cell Adhesion Inhibitor, K-7174, Reduces the Endothelial VCAM-1 Induction by Inflammatory Cytokines, Acting through the Regulation of GATA

L5 ANSWER 5 OF 13 CA COPYRIGHT 2006 ACS on STN
TI An inhibitor of VCAM-1 expression and its implication as a novel treatment of inflammatory diseases

L5 ANSWER 6 OF 13 CA COPYRIGHT 2006 ACS on STN
TI Preparation of N,N'-bis(aralkenyl)piperazine and -homopiperazines as

Eryhtropoietin production potentiator

inhibitors of cellular adhesion and infiltration.

L5 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
TI A GATA-specific inhibitor (K-7174) rescues anemia induced by IL-1β, TNF-α, or L-NMMA

L5 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
TI Trial of novel drug for secondary anemia from chronic disease

L5 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
TI Novel erythropoietin-stimulating drug (K-7174): Trial for renal anemia

L5 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
TI A Novel Cell Adhesion Inhibitor, K-7174, Reduces the Endothelial VCAM-1 Induction by Inflammatory Cytokines, Acting through the Regulation of GATA

L5 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
TI An inhibitor of VCAM-1 expression and its implication as a novel treatment of inflammatory diseases

L5 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
TI Preparation of N,N'-bis(aralkenyl)piperazine and -homopiperazines as inhibitors of cellular adhesion and infiltration.

L5 ANSWER 13 OF 13 USPATFULL on STN
TI Inhibitors for cell adhesion and cellular infiltration

=> s L5 and anemia
L7 6 L5 AND ANEMIA

=> d L7 1-6 ti abs bib

L7 ANSWER 1 OF 6 CA COPYRIGHT 2006 ACS on STN
TI Trial of novel drug for secondary **anemia** from chronic disease
AB The GATA specific blocker K 7174 inhibited IL-1β and TNF-α-induced GATA binding activity and increased erythropoietin formation in Hep3B cells. The results indicated that K 7174 may be useful for treatment of secondary **anemia** from chronic disease.
AN 139:345612 CA
TI Trial of novel drug for secondary **anemia** from chronic disease
AU Imagawa, Shigehiko; Nakano, Yoko; Obara, Naoshi; Suzuki, Norio; Doi, Takeshi; Kodama, Tatsuhiko; Nagasawa, Toshiro; Yamamoto, Masayuki
CS School of Clinical Medicine, University of Tsukuba, Tsukuba-shi, 305-8575, Japan
SO Igaku no Ayumi (2003), 204(12), 903-904
CODEN: IGAYAY; ISSN: 0039-2359
PB Ishiyaku Shuppan
DT Journal
LA Japanese

L7 ANSWER 2 OF 6 CA COPYRIGHT 2006 ACS on STN
TI Novel erythropoietin-stimulating drug (K-7174): Trial for renal **anemia**
AB K-7174 stimulated erythropoietin activity in HEP3B by inhibiting GATA transcription factor in vitro. The results are discussed with regards to treatment of renal **anemia** by K-7174.
AN 139:317013 CA
TI Novel erythropoietin-stimulating drug (K-7174): Trial for renal **anemia**
AU Imagawa, Shigehiko; Nakano, Yoko; Obara, Naoshi; Suzuki, Norio; Doi, Takeshi; Kodama, Tatsuhiko; Yanagawa, Toshiro; Yamamoto, Masayuki
CS School of Clinical Medicine, University of Tsukuba, Japan

Eryhtropoietin production potentiator

SO Igaku no Ayumi (2003), 204(4), 291-292
CODEN: IGAYAY; ISSN: 0039-2359
PB Ishiyaku Shuppan
DT Journal
LA Japanese

L7 ANSWER 3 OF 6 CA COPYRIGHT 2006 ACS on STN
TI A GATA-specific inhibitor (K-7174) rescues **anemia** induced by IL-1β, TNF-α, or L-NMMA
AB Interleukin-1β (IL-1β), tumor necrosis factor-α (TNF-α), or NG-monomethyl-L-arginine (L-NMMA) are increased in patients with chronic disease-related **anemia.** They increase the binding activity of GATA and inhibit erythropoietin (Epo) promoter activity. In this study, we examined the ability of K-7174 (a GATA-specific inhibitor) to improve Epo production when inhibited by treatment with IL-1β, TNF-α, or L-NMMA. Epo protein production and promoter activity were induced in Hep3B cells with 1% O2. However, 15 U/mL IL-1β, 220 U/mL TNF-α or 10-3 M L-NMMA inhibited Epo protein production and promoter activity, resp. Addition of 10 μM K-7174 rescued these inhibitions of Epo protein production and promoter activity induced by IL-1β, TNF-α, or L-NMMA, resp. Electrophoretic mobility shift assays revealed that addition of K-7174 decreased GATA binding activity, which was increased with the addition of IL-1β, TNF-α, or L-NMMA. Furthermore, i.p. injection of mice with IL-1β or TNF-α decreased the Hb concns. and reticulocyte counts. However, the addition of K-7174 reversed these effects. These results raise the possibility of using K-7174 as therapy to treat **anemia.**
AN 139:285954 CA
TI A GATA-specific inhibitor (K-7174) rescues **anemia** induced by IL-1β, TNF-α, or L-NMMA
AU Imagawa, Shigehiko; Nakano, Yoko; Obara, Naoshi; Suzuki, Norio; Doi, Takeshi; Kodama, Tatsuhiko; Nagasawa, Toshiro; Yamamoto, Masayuki
CS Division of Hematology, Institute of Clinical Medicine, University of Tsukuba, Tsukuba, Ibaraki, 305-8575, Japan
SO FASEB Journal (2003), 17(12), 1742-1744, 10.1096/fj.02-1134fje
CODEN: FAJOEC; ISSN: 0892-6638
PB Federation of American Societies for Experimental Biology
DT Journal
LA English
RE.CNT 46 THERE ARE 46 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
TI A GATA-specific inhibitor (K-7174) rescues **anemia** induced by IL-1β, TNF-α, or L-NMMA
AB Interleukin-1β (IL-1β), tumor necrosis factor-α (TNF-α), or NG-monomethyl-L-arginine (L-NMMA) are increased in patients with chronic disease-related **anemia.** They increase the binding activity of GATA and inhibit erythropoietin (Epo) promoter activity. In this study, we examined the ability of K-7174 (a GATA-specific inhibitor) to improve Epo production when inhibited by treatment with IL-1β, TNF-α, or L-NMMA. Epo protein production and promoter activity were induced in Hep3B cells with 1% O2. However, 15 U/mL IL-1β, 220 U/mL TNF-α or 10-3 M L-NMMA inhibited Epo protein production and promoter activity, resp. Addition of 10 μM K-7174 rescued these inhibitions of Epo protein production and promoter activity induced by IL-1β, TNF-α, or L-NMMA, resp. Electrophoretic mobility shift assays revealed that addition of K-7174 decreased GATA binding activity, which was increased with the addition of IL-1β, TNF-α, or L-NMMA. Furthermore, i.p. injection of mice with IL-1β or TNF-α decreased the Hb concns. and reticulocyte counts. However, the addition of K-7174 reversed these effects. These results raise the possibility of using K-7174 as therapy to treat **anemia.**

Eryhtropoietin production potentiator

AN 2003:730740 CAPLUS
DN 139:285954
TI A GATA-specific inhibitor (K-7174) rescues **anemia** induced by IL-1β, TNF-α, or L-NMMA
AU Imagawa, Shigehiko; Nakano, Yoko; Obara, Naoshi; Suzuki, Norio; Doi, Takeshi; Kodama, Tatsuhiko; Nagasawa, Toshiro; Yamamoto, Masayuki
CS Division of Hematology, Institute of Clinical Medicine, University of Tsukuba, Tsukuba, Ibaraki, 305-8575, Japan
SO FASEB Journal (2003), 17(12), 1742-1744, 10.1096/fj.02-1134fje
CODEN: FAJOEC; ISSN: 0892-6638
PB Federation of American Societies for Experimental Biology
DT Journal
LA English
RE.CNT 46 THERE ARE 46 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
TI Trial of novel drug for secondary **anemia** from chronic disease
AB The GATA specific blocker K 7174 inhibited IL-1β and TNF-α-induced GATA binding activity and increased erythropoietin formation in Hep3B cells. The results indicated that K 7174 may be useful for treatment of secondary **anemia** from chronic disease.
AN 2003:383581 CAPLUS
DN 139:345612
TI Trial of novel drug for secondary **anemia** from chronic disease
AU Imagawa, Shigehiko; Nakano, Yoko; Obara, Naoshi; Suzuki, Norio; Doi, Takeshi; Kodama, Tatsuhiko; Nagasawa, Toshiro; Yamamoto, Masayuki
CS School of Clinical Medicine, University of Tsukuba, Tsukuba-shi, 305-8575, Japan
SO Igaku no Ayumi (2003), 204(12), 903-904
CODEN: IGAYAY; ISSN: 0039-2359
PB Ishiyaku Shuppan
DT Journal
LA Japanese

L7 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
TI Novel erythropoietin-stimulating drug (K-7174): Trial for renal **anemia**
AB K-7174 stimulated erythropoietin activity in HEP3B by inhibiting GATA transcription factor in vitro. The results are discussed with regards to treatment of renal **anemia** by K-7174.
AN 2003:298127 CAPLUS
DN 139:317013
TI Novel erythropoietin-stimulating drug (K-7174): Trial for renal **anemia**
AU Imagawa, Shigehiko; Nakano, Yoko; Obara, Naoshi; Suzuki, Norio; Doi, Takeshi; Kodama, Tatsuhiko; Yanagawa, Toshiro; Yamamoto, Masayuki
CS School of Clinical Medicine, University of Tsukuba, Japan
SO Igaku no Ayumi (2003), 204(4), 291-292
CODEN: IGAYAY; ISSN: 0039-2359
PB Ishiyaku Shuppan
DT Journal
LA Japanese

=> FIL STNGUIDE

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	62.69	73.92

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-8.76	-8.76

Eryhtropoietin production potentiator

FILE 'STNGUIDE' ENTERED AT 09:20:39 ON 23 MAR 2006
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NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	DEC 21	IPC search and display fields enhanced in CA/CAplus with the IPC reform
NEWS 4	DEC 23	New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/ USPAT2
NEWS 5	JAN 13	IPC 8 searching in IFIPAT, IFIUDB, and IFICDB
NEWS 6	JAN 13	New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to INPADOC
NEWS 7	JAN 17	Pre-1988 INPI data added to MARPAT
NEWS 8	JAN 17	IPC 8 in the WPI family of databases including WPIFV
NEWS 9	JAN 30	Saved answer limit increased
NEWS 10	JAN 31	Monthly current-awareness alert (SDI) frequency added to TULSA
NEWS 11	FEB 21	STN AnaVist, Version 1.1, lets you share your STN AnaVist visualization results
NEWS 12	FEB 22	Status of current WO (PCT) information on STN
NEWS 13	FEB 22	The IPC thesaurus added to additional patent databases on STN
NEWS 14	FEB 22	Updates in EPFULL; IPC 8 enhancements added
NEWS 15	FEB 27	New STN AnaVist pricing effective March 1, 2006
NEWS 16	FEB 28	MEDLINE/LMEDLINE reload improves functionality
NEWS 17	FEB 28	TOXCENTER reloaded with enhancements
NEWS 18	FEB 28	REGISTRY/ZREGISTRY enhanced with more experimental spectral property data